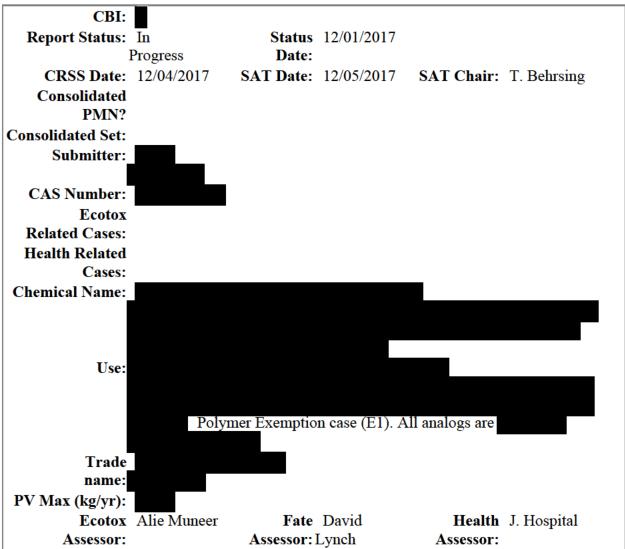
SAT Report for Case # P-18-0054

General



Physical Chemical Information

Molecular Weight:	Physical State - Neat:	Solid (est)		
Percent 500:	Percent 1000:			
Melting Point (Measured):	Melting Point (est):		MPD (EPI):	
Vapor Pressure:	Vapor Pressure (est):	<0.000001	VP (EPI):	
Water Solubility:	Water Solubility (EST):	<0.000001	Water Solubility (EPI):	
Log Kow:			Log Kow (EPI):	
Log P:	Log P Comment:			

SAT Concern

Ecotox Rating 1	Ecotox	
(1):	Rating	
	Comment	
	(1):	
Ecotox	Ecotox	
Rating (2):	Rating	
	Comment	
	(2):	
Health Rating 1-2	Health	
(1):	Rating	
	Comment	
	(1):	
Health Rating	Health	
(2):	Rating	
	Comment	
	(2):	

PBT Ratings

Persistence	Bioaccumulation	Toxicity	Comments
3	1	2	

Exposure N **Based Review** (Health)? **Exposure Based** N **Review** (Ecotox)? **SAT** UNCERTAIN

Keywords: DEVEL

Fate Assessment P-18-0054

Summary: FATE:

Solid

S = Negl.

VP < 1.0E-6 torr at 25 °C (E)

 $BP > 400 \, ^{\circ}C \, (E)$

H < 1.00E-8 (E)

POTW removal (%) = 90

via sorption

Time for complete ultimate aerobic biodeg > mo

Sorption to soils/sediments = v.strong

PBT Potential: P3B1

*CEB FATE: Migration to ground water = negl

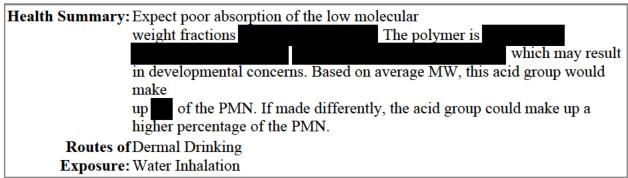
Removal in 90 WWT/POTW (Overall):

Condition	Rating Values	Comment
	w/ Rating Description	
WWT/POTW	3	
Sorption:		
WWT/POTW	4	
Stripping:		
Biodegradation	4	
Removal:		
Biodegradation		
Destruction:		
Aerobic Biodeg	4	
Ult:		
Aerobic Biodeg		
Prim:		

Condition	Rating Values	Comment
	w/ Rating Description	
Anaerobic Biodeg Ult:	4	
Anaerobic Biodeg Prim:		
Hydrolysis (t1/2 at pH 7,25C) A:		
Hydrolysis (t1/2 at pH 7,25C) B:		
Sorption to Soils/Sediments:	1	
Migration to Ground Water:	1	
Photolysis A, Direct:		
Photolysis B, Indirect:		
Atmospheric Ox A, OH:		
Atmospheric Ox B, O3:		

Health

Assessment



Test

Data Submitted

Test Data	
Submitted:	

Ecotox Assessment

Test organism	Test	Test	Predicted	Measured	Comments
	Type	Endpoint			
Fish	96-h	LC50	*		
Daphnid	48-h	LC50	*		
Green Algae	96-h	EC50	*		
Fish	-	Chronic	*		
		Value			
Daphnid	-	Chronic	*		
		Value			
Green Algae	-	Chronic	*		
		Value			

Factors	Most Sensitive Endpoint	Assessment Factor	СоС	Comment
Acute		5		acute/chronic; *
Acquatic:				
Chronic		10		acute/chronic; *
Acquatic:				

Ecotox Route of No releases to Exposure? water

Factors	Values	Comments
SARs:	Nonionic	
	Polymers	
SAR Class:	Nonionic	
	Polymers-	
	insoluble	
TSCA NCC	None	
Category?		

Recommended Testing

Ecotox Value Comments

Predictions are based on SARs for nonionic polymers; solid (est.) with an unknown MP (P); S = negligible (P); effective concentrations based on 100% active ingredients and mean measured concentrations; hardness <150 mg/L as CaCO3; and TOC <2.0 mg/L.

Ecotox Factors Comments

Environmental Hazard: Environmental hazard is relevant to whether a new chemical substance is likely to present unreasonable risks because the significance of the risk is dependent upon both the hazard (or toxicity) of the chemical substance and the extent of exposure to the substance. EPA estimated environmental hazard of this new chemical substance using hazard data on analogous chemicals. Based on hazard data on analogous chemicals, EPA concludes that this chemical substance has low environmental hazard.

- · Substance does not fall within a TSCA New Chemicals Category. · SAR analogs for
- · SAR analogs for nonionic polymers.
- · Low hazard based on an estimate of no effects at saturation.

Environmental Risks:

· Risks were not identified for ecotoxicity.

Testing Recommendations:

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No testing recommended.